

State of South Carolina  
Public Employee Benefit Authority  
Retiree Health Care Plan

GASB Statement No. 75 Accounting and Financial  
Reporting for Postemployment Benefits Other Than  
Pensions as of June 30, 2017





July 12, 2018

State of South Carolina  
South Carolina Public Employee Benefit Authority  
South Carolina Retirement Systems  
P.O. Box 11960  
Columbia, SC 29211

Dear Members of the Board:

This report provides information on behalf of the State of South Carolina Public Employee Benefit Authority (PEBA) in connection with the Governmental Accounting Standards Board (GASB) Statement No. 75 "Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions."

The calculation of the liability associated with the benefits described in this report was performed for the purpose of satisfying the requirements of GASB Statement No. 75. The calculation of the plan's liability for this report is not applicable for funding purposes of the plan. A calculation of the plan's liability for purposes other than satisfying the requirements of GASB Statement No. 75 may produce significantly different results. This report may be provided to parties other than PEBA only in its entirety and only with the permission of PEBA. GRS is not responsible for unauthorized use of this report.

This report complements the actuarial valuation report as of June 30, 2016, provided for GASB Statement No. 74 purposes, which was also provided to the Board and should be considered together as a complete report for the measurement period that ended June 30, 2017. The total OPEB liability was rolled-forward from the valuation date to the plan's fiscal year end, June 30, 2017, using generally accepted actuarial principles. Please see the actuarial valuation report as of June 30, 2016 for additional discussion of the actuarial valuation, including the nature of actuarial calculations and more information related to participant data, economic and demographic assumptions, and benefit provisions.

This report is based upon information furnished by PEBA, which includes benefit provisions, membership information, and financial data. We did not audit this data and information, but we did apply a number of tests and concluded that it was reasonable and consistent. GRS is not responsible for the accuracy or completeness of the information provided by PEBA.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements; and changes in plan provisions or applicable law.

This report provides the Collective OPEB Amounts under GASB Statement No. 75 which will be allocated to participating employers. The proportionate shares of the collective OPEB amounts for the participating employers are provided in the appendices to this report.

To the best of our knowledge, this report is complete and accurate and is in accordance with generally recognized actuarial practices and methods. Mr. Newton and Mr. Riazi are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein. Both consultants are experienced in performing valuations for large public retirement systems.

Respectfully submitted,

**Gabriel, Roeder, Smith & Company**



Joseph P. Newton, FSA, EA, MAAA  
Senior Consultant



Mehdi Riazi, FSA, EA, MAAA  
Consultant

# Table of Contents

	<u>Page</u>
<b>Section 1</b> Discussion.....	2
<b>Section 2</b> Accounting Exhibits.....	7
<b>Appendix A</b> Allocation of the Net OPEB Liability, Contributions from Nonemployer Contributing Entities and Implicit Subsidy	
<b>Appendix B</b> Allocation of the OPEB Expense and Deferred Outflows and Inflows of Resources Related to OPEB	

# SECTION 1

---

## DISCUSSION

# Discussion

## Accounting Standards

GASB Statement No. 75 replaces the requirements of Statements No. 45, Accounting and Financial Reporting by Employers for Postemployments Benefits Other Than OPEBs, as amended, and No. 57, OPEB Measurements by Agent Employers and Agent Multiple-Employer Plans, for OPEB.

Reporting under GASB 75 is effective for fiscal years commencing after June 15, 2017.

The following discussion provides a summary of the information that is required to be disclosed under this new accounting standard. A number of these disclosure items are provided in this report. However, certain information, such as notes regarding accounting policies and investments, is not included in this report. As a result, the employers are responsible for preparing and disclosing the non-actuarial information needed to comply with these accounting standards.

## Financial Statements

GASB Statement No. 75 requires state and local government employers that participate in a cost-sharing multiple-employer plan to recognize a proportionate share of the collective net OPEB liability, collective OPEB expense, as well as deferred outflows of resources and deferred inflows of resources related to OPEB. The net OPEB liability is the difference between the total OPEB liability and the plan's fiduciary net position. In traditional actuarial terms, this is analogous to the accrued liability less the market value of assets.

GASB Statement No. 75 states the employer contributions made to the OPEB plan subsequent to the measurement date and before the end of the employer's reporting period should be reported as a deferred outflow of resources. The information contained in this report does not incorporate any payroll related employer contributions made subsequent to the measurement date of June 30, 2017.

## Notes to Financial Statements

Paragraphs 89 through 98 of GASB Statement No. 75 discuss the note disclosures and RSI for cost-sharing employers. We recommend that employers review these paragraphs as well as illustration 2 in Appendix C of GASB Statement No. 75, which provides a sample footnote disclosure for a cost-sharing employer.

## Contributions from Nonemployer Contributing Entities

According to part (b) of paragraph 69 of GASB Statement No. 75, participating employers should recognize revenue in an amount equal to "the employer's proportionate share of the change in the collective net OPEB liability arising from contributions to the OPEB plan during the measurement period from nonemployer contributing entities for purposes other than the separate financing of specific liabilities to the OPEB plan." Each employer's proportionate share of the contributions from nonemployer contributing entities is provided in Appendix A of this report. As noted in question 4.200 of Implementation Guide No. 2017-3, "The employer should classify this revenue in the same manner as it classifies grants from other entities."

## Timing and Frequency of the Actuarial Valuation

An actuarial valuation to determine the total OPEB liability is required to be performed at least every two years. For the employer's financial reporting purposes, the net OPEB liability and OPEB expense should be measured as of the employer's "measurement date" which may not be earlier than the employer's prior fiscal year end-date. If the actuarial valuation used to determine the total OPEB liability is not calculated as of the measurement date, the total OPEB liability is required to be rolled forward from the actuarial valuation date to the measurement date. The total OPEB liability shown in this report is based on an actuarial valuation performed as of June 30, 2016. Update procedures were used to roll forward the total OPEB liability to the measurement date of June 30, 2017. Please see the actuarial valuation report as of June 30, 2016 for additional discussion of the actuarial valuation, including the nature of actuarial calculations and more information related to participant data, economic and demographic assumptions, and benefit provisions.

## Single Discount Rate

Projected benefit payments are required to be discounted to their actuarial present values using a Single Discount Rate that reflects (1) a long-term expected rate of return on OPEB plan investments (to the extent that the plan's fiduciary net position is projected to be sufficient to pay benefits) and (2) tax-exempt municipal bond rate based on an index of 20-year general obligation bonds with an average AA credit rating as of the measurement date (to the extent that the contributions for use with the long-term expected rate of return are not met).

For the purpose of this valuation, the expected rate of return on OPEB plan investments is 4.00%; the municipal bond rate is 3.56% (based on the daily rate closest to but not later than the measurement date of the Fidelity "20-Year Municipal GO AA Index"); and the resulting Single Discount Rate is 3.56%. The accounting policy for this plan is to set the Single Discount Rate equal to the prevailing municipal bond rate. Due to the plan's investment and funding policies, the difference between a blended discount rate and the municipal bond rate would be less than several basis points (several hundredths of one percent).

## Methodology for Proportionate Shares

The proportionate share of the Collective OPEB Amounts for employers that participate in the cost-sharing multiple-employer retiree health care plan maintained by PEBA, are provided in Appendix A of this report. The allocation of the employers' proportionate share of the collective Net OPEB Liability and collective OPEB Expense was determined using the employers' payroll related contributions over the measurement period. This method is expected to be reflective of the employers' long-term contribution effort as well as be transparent to individual employers and their external auditors.

## Summary of Population Statistics

The total OPEB liability described in this report is based on the plan membership as of July 1, 2016:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	84,516
Inactive Plan Members Entitled to But Not Yet Receiving Benefits	1,102
Active Plan Members	<u>181,231</u>
Total Plan Members	266,849

## Recognition of Deferred Outflows and Inflows of Resources

According to paragraph 86 of GASB Statement No. 75, *differences between expected and actual experience and changes in assumptions* are recognized in OPEB expense using a systematic and rational method over a closed period equal to the average of the expected remaining service lives of all employees that are provided with OPEB through the OPEB plan (active employees and inactive members) determined as of the beginning of the measurement period.

At the beginning of the 2017 fiscal year, the expected remaining service lives of all employees was approximately 1,933,588. Additionally, the total plan membership (active employees and inactive employees) was 266,849. As a result, the average of the expected remaining service lives for purposes of recognizing the applicable deferred outflows and inflows established in the current measurement period is 7.2460.

Additionally, differences between projected and actual earnings on OPEB plan investments should be recognized in OPEB expense using a systematic and rational method over a closed five-year period. For this purpose, the deferred outflows and inflows of resources are recognized in the OPEB expense as a level dollar amount over the closed period identified above.

## Deferred Outflows and Inflows Specific to Cost-Sharing Employers

As noted in paragraph 64 of GASB Statement No. 75, the net effect of changes in the employer's proportionate share on the collective net OPEB liability and collective deferred outflows and deferred inflows of resources should be recognized in the employer's OPEB expense over a closed period.

According to paragraph 65 of GASB Statement No. 75, differences between (a) the amount of contributions from an employer and (b) the amount of the employer's proportionate share of the total of such contributions should be recognized in the employer's OPEB expense over a closed period.

These deferred outflows and inflows specific to cost-sharing employers are to be recognized over a period equal to the average of the expected remaining service lives of all employees (similar to differences between expected and actual experience and changes in assumptions). Amounts not recognized in the employer's expense should be reported as a deferred outflow or deferred inflow of resources related to OPEB. Appendix B provides the component of the current year's OPEB expense related to changes in proportionate shares and differences between employer contributions and proportionate share of plan contributions and also the deferred amounts remaining at the end of the measurement period. Note, the amounts provided in columns (15) through (20) of Appendix B include amounts related to these deferred outflows and inflows specific to cost-sharing employers.

## Implicit Subsidy

GASB Statements No. 75 and No. 68 are conceptually very similar in terms of the liability which is recognized on the balance sheet, the expense calculation, and the corresponding deferred outflows and inflows of resources. The main differences between the standards are related to the differences between pension and health care benefits. In particular, there is a concept referred to as the “implicit subsidy” that applies to health plans which utilize a blended premium, which has no counterpart in GASB Statement No. 68. The “implicit” or “hidden” subsidy refers to the difference between the underlying retiree claims costs and the overall health care premiums paid on behalf of retirees. By “overall”, we mean the combined employer and retiree portions of the premiums. GASB defines the employer provided OPEB benefit as the difference between the underlying claims costs (or age-adjusted premiums) and the premium contributions made by retirees. If the overall premiums for retirees were developed solely on the claims experience of the retirees, there would be no implicit subsidy and the employer portion of the overall retiree premiums would coincide with GASB’s definition of the OPEB benefit. However, the State of South Carolina’s health plan utilizes a “blended premium” structure for its most popular health plan. Said another way, the overall health care premiums for active employees, non-Medicare retirees and post-65 retirees are stated in terms of a single “blended premium”. As a result, the underlying costs of the retirees are not represented by the overall blended premium.

This is important because the retiree health insurance trust is used to pay the employers’ portion of the blended premiums, not the employers’ portion of the underlying claims costs. In order to account for the employer provided OPEB benefit, as it’s defined by GASB, the payments made by the retiree health insurance trust need to be adjusted to reflect the implicit subsidy (the difference between the retiree claims and the overall premiums). Similarly, the employer contributions need to be adjusted to reflect the cost of the implicit subsidy. It’s important to keep in mind that the implicit subsidy is an employer contribution. Because the implicit subsidy is not paid by the trust, it is considered a benefit payment that was paid “as it came due”.

Because the underlying claims costs for non-Medicare retirees are on average higher than the blended premiums, there is a positive implicit subsidy associated with the premiums paid on behalf of the non-Medicare retirees. Because the health plan is secondary to Medicare, the underlying costs for the Medicare retirees are less than the blended premiums which creates a negative implicit subsidy associated with the premiums paid on behalf of the Medicare retirees. Currently, there are roughly three times as many Medicare retirees on the plan as non-Medicare retirees, which results in an overall negative implicit subsidy for the employers.

To summarize, the distributions from the retiree health insurance trust pay the employers’ portion of the blended premiums, not the employers’ portion of the underlying retiree claims costs. As a result, the benefit payments and contribution amounts disclosed for GASB Statement No. 74 and 75 purposes need to include an adjustment related to the implicit subsidy. Participating employers should adjust their payroll related surcharge contributions by the implicit subsidy in order to determine the total employer contribution for GASB Statement No. 75 purposes. This adjustment is needed for contributions made during the measurement period and also for the purpose of the deferred outflow related to contributions made after the measurement date. Appendix B provides each employer’s implicit subsidy for the measurement period and each employer’s implicit subsidy for the year ending June 30, 2018.

## **SECTION 2**

---

### **ACCOUNTING EXHIBITS**

# Exhibit 1

## Schedule of the Employers' Collective Net OPEB Liability

<b>Fiscal Year Ending</b>	<b>Total OPEB Liability</b>	<b>Plan Fiduciary Net Position</b>	<b>Employers Net OPEB Liability (Asset)</b>	<b>Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability</b>	<b>Covered Payroll</b>	<b>Net OPEB Liability as a Percentage of Covered Payroll</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>	<b>(6)</b>	<b>(7)</b>
June 30, 2017	\$ 14,659,610,970	\$ 1,114,774,760	\$ 13,544,836,210	7.60%	\$ 8,437,059,071	160.54%

## Exhibit 2

### Schedule of Changes in the Employers' Collective Net OPEB Liability for the Measurement Period Ending June 30, 2017

<b>Total OPEB liability</b>	
Service cost	\$ 610,843,077
Interest on the total OPEB liability	455,295,633
Changes of benefit terms	0
Difference between expected and actual experience of the total OPEB liability	(6,819,786)
Changes of assumptions	(1,478,557,636)
Benefit payments	(416,089,964)
<b>Net change in total OPEB liability</b>	<u>(835,328,676)</u>
<b>Total OPEB liability – beginning</b>	<u>15,494,939,646</u>
<b>Total OPEB liability – ending (a)</b>	\$ 14,659,610,970
<b>Plan fiduciary net position</b>	
Contributions – employer	\$ 411,799,086
Contributions – nonemployer contributing entities	79,306,737
Net investment income	13,460,171
Benefit payments	(416,089,964)
OPEB plan administrative expense	(10,000)
Other	0
<b>Net change in plan fiduciary net position</b>	<u>88,466,030</u>
<b>Plan fiduciary net position – beginning</b>	<u>1,026,308,730</u>
<b>Plan fiduciary net position – ending (b)</b>	\$ 1,114,774,760
<b>Net OPEB liability - Ending (a) - (b)</b>	\$ 13,544,836,210
<b>Plan fiduciary net position as a percentage of the total OPEB liability</b>	7.60 %
<b>Covered-employee payroll</b>	\$ 8,437,059,071
<b>Net OPEB liability as a percentage of covered-employee payroll</b>	160.54 %

## Recognition of Deferred Outflows and Inflows of Resources

According to paragraph 86 of GASB Statement No. 75, *differences between expected and actual experience and changes in assumptions* are recognized in OPEB expense using a systematic and rational method over a closed period equal to the average of the expected remaining service lives of all employees that are provided with OPEB through the OPEB plan (active employees and inactive members) determined as of the beginning of the measurement period.

At the beginning of the 2017 fiscal year, the expected remaining service lives of all employees was approximately 1,933,588. Additionally, the total plan membership (active employees and inactive employees) was 266,849. As a result, the average of the expected remaining service lives for purposes of recognizing the applicable deferred outflows and inflows established in the current measurement period is 7.2460.

Additionally, differences between projected and actual earnings on OPEB plan investments should be recognized in OPEB expense using a systematic and rational method over a closed five-year period. For this purpose, the deferred outflows and inflows of resources are recognized in the OPEB expense as a level dollar amount over the closed period identified above.

### Exhibit 3

#### Statement of Outflows and Inflows Arising from Current Reporting Period For Fiscal Year Ending June 30, 2017

	Recognition Period (or amortization years)	Total (Inflow or Outflow	2017 Recognized in current OPEB expense	Deferred (Inflow) or Outflow in future expense
<b><u>Due to Liabilities:</u></b>				
Differences in expected and actual experience	7.2460	\$ (6,819,786)	\$ (941,179)	\$ (5,878,607)
Assumption changes	7.2460	\$ (1,478,557,636)	\$ (204,051,564)	\$ (1,274,506,072)
<b><u>Due to Assets:</u></b>				
Net Difference between projected and actual earnings on OPEB plan investments	5.0000	\$ 29,092,295	\$ 5,818,459	\$ 23,273,836
<b>Total</b>		<b>\$ (1,456,285,127)</b>	<b>\$ (199,174,284)</b>	<b>\$ (1,257,110,843)</b>

This table is not a required disclosure. Exhibit 3 is provided to document the new deferred inflows and outflows resulting from the current reporting year.

## Exhibit 4

### Components of Collective OPEB Expense for the Fiscal Year Ending June 30, 2017

1. Service Cost	\$	610,843,077
2. Interest on the Total OPEB Liability		455,295,633
3. Current-Period Benefit Changes		0
4. Employee Contributions		0
5. Projected Earnings on Plan Investments		(42,552,466)
6. OPEB Plan Administrative Expense		10,000
7. Other Changes in Plan Fiduciary Net Position		0
8. Recognition of Outflow (Inflow) of Resources due to Liabilities		(204,992,743)
9. Recognition of Outflow (Inflow) of Resources due to Assets		5,818,459
<b>10. Total Aggregate OPEB Expense</b>	<b>\$</b>	<b>824,421,960</b>

## Exhibit 5

### Deferred Outflows and Inflows Related to OPEB

	Deferred Outflows of Resources	Deferred Inflows of Resources
Difference between expected and actual experience	\$ 0	\$ 5,878,607
Changes in assumptions	\$ 0	\$ 1,274,506,072
Net difference between projected and actual earnings on OPEB plan investments	\$ 23,273,836	\$ 0
Changes in proportion and differences between contributions and proportionate share of contributions	TBD	TBD
Contributions subsequent to the measurement date	TBD	
<b>Total</b>	<b>\$ 23,273,836</b>	<b>\$ 1,280,384,679</b>

The table above provides the collective Deferred Outflows and Inflows of resources remaining as of the measurement date. The deferred inflows/outflows related to changes in proportion and differences between contributions and proportionate share of contributions are specific to each employer and are provided in Appendix B.

Employer contributions made subsequent to the measurement date of the total OPEB liability (June 30, 2017) and prior to the end of the employer's reporting period should be reported by the employer as a deferred outflow related to OPEB. See paragraph 68 of GASB Statement No. 75 for cost-sharing employers. It's important to note that employer contributions should include the implicit subsidy. Each employer's implicit subsidy for the year ending June 30, 2018 is provided in Appendix A.

## Exhibit 6

### Collective Deferred Outflows and Inflows to be recognized in Future OPEB Expense

Year Ending June 30	Net Deferred Outflows (Inflows)
2018	\$ (199,174,284)
2019	\$ (199,174,284)
2020	\$ (199,174,284)
2021	\$ (199,174,284)
2022	\$ (204,992,743)
Thereafter	\$ (255,420,964)
<b>Total</b>	<b>\$ (1,257,110,843)</b>

## Exhibit 7

### Statement of Deferred Outflows and Inflows of Resources by Year to be recognized in Future OPEB Expense

	Recognition Period (or amortization years)	Total (Inflow) or Outflow at Beginning of Measurement Period	Measurement Year							Total remaining (Inflow) or Outflow at End of Measurement Period	
			2017	2018	2019	2020	2021	2022	Thereafter		
<b>Due to Liabilities:</b>											
<b>Differences in Experience</b>											
2017	7.2460	(6,819,786)	(941,179)	(941,179)	(941,179)	(941,179)	(941,179)	(941,179)	(941,179)	(1,172,712)	(5,878,607)
Total			\$ (941,179)	\$ (941,179)	\$ (941,179)	\$ (941,179)	\$ (941,179)	\$ (941,179)	\$ (941,179)	\$ (1,172,712)	
<b>Assumption Changes</b>											
2017	7.2460	(1,478,557,636)	(204,051,564)	(204,051,564)	(204,051,564)	(204,051,564)	(204,051,564)	(204,051,564)	(204,051,564)	(254,248,252)	(1,274,506,072)
Total			\$ (204,051,564)	\$ (204,051,564)	\$ (204,051,564)	\$ (204,051,564)	\$ (204,051,564)	\$ (204,051,564)	\$ (204,051,564)	\$ (254,248,252)	
<b>Due to Assets:</b>											
<b>Investment Experience</b>											
2017	5.0000	29,092,295	5,818,459	5,818,459	5,818,459	5,818,459	5,818,459	5,818,459	0	0	23,273,836
Total			\$ 5,818,459	\$ 5,818,459	\$ 5,818,459	\$ 5,818,459	\$ 5,818,459	\$ 5,818,459	\$ 0	\$ 0	
<b>Total Recognized in Future Expense</b>				\$ (199,174,284)	\$ (199,174,284)	\$ (199,174,284)	\$ (199,174,284)	\$ (199,174,284)	\$ (204,992,743)	\$ (255,420,964)	\$ (1,257,110,843)

This table is not a required disclosure. Exhibit 7 is provided to document all sources of collective deferred inflows and outflows.

## Exhibit 8

### Actuarial Assumptions and Methods

#### Methods and Assumptions

Actuarial Cost Method	Entry Age Normal
Inflation	2.25%
Investment Rate of Return	4.00%, net of OPEB plan investment expense, including inflation
Single Discount Rate	3.56% as of June 30, 2017
Demographic Assumptions	Based on the experience study performed for the South Carolina Retirement Systems for the 5-year period ending June 30, 2015
Mortality Assumptions	For healthy retirees, the 2016 Public Retirees of South Carolina Mortality Table for Males and the 2016 Public Retirees of South Carolina Mortality Table for Females are used with fully generational mortality projections based on Scale AA from the year 2016. Multipliers are applied to the base tables based on gender and employment type.
Health Care Trend Rates	Initial trend starting at 7.00% and gradually decreasing to an ultimate trend rate of 4.15% over a period of 15 years
Participation Assumptions	79% participation for retirees who are eligible for Funded Premiums 59% participation for retirees who are eligible for Partial Funded Premiums 20% participation for retirees who are eligible for Non-Funded Premiums

#### Roll-forward Disclosure

The actuarial valuation was performed as of June 30, 2016. Update procedures were used to roll forward the total OPEB liability to June 30, 2017.

## Exhibit 9

### Asset Allocation and Real Return Assumptions

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>	<u>Allocation-Weighted Long-Term Expected Real Rate of Return</u>
U.S. Domestic Fixed Income	80.00 %	2.09 %	1.67 %
Cash	20.00 %	0.84 %	0.17 %
<b>Total</b>	100.00 %		1.84 %
Expected Inflation			2.25 %
<b>Total Return</b>			4.09 %
<b>Investment Return Assumption</b>			4.00 %

## Exhibit 10

### Sensitivity of the Collective Net OPEB Liability to Changes in the Discount Rate

Regarding the sensitivity of the net OPEB liability to changes in the Single Discount Rate, the following presents the plan's net OPEB liability, calculated using a Single Discount Rate of 3.56%, as well as what the plan's net OPEB liability would be if it were calculated using a Single Discount Rate that is one percent lower or one percent higher:

<b>1% Decrease</b>	<b>Current Single Discount</b>	<b>1% Increase</b>
<b>2.56%</b>	<b>Rate Assumption</b>	<b>4.56%</b>
\$ 15,951,988,645	\$ 13,544,836,210	\$ 11,604,082,103

## Exhibit 11

### Sensitivity of the Collective Net OPEB Liability to Changes in the Healthcare Cost Trend Rate

Regarding the sensitivity of the net OPEB liability to changes in the healthcare cost trend rates, the following presents the plan's net OPEB liability, calculated using the assumed trend rates as well as what the plan's net OPEB liability would be if it were calculated using a trend rate that is one percent lower or one percent higher:

<b>1% Decrease</b>	<b>Current Healthcare Cost</b>	<b>1% Increase</b>
	<b>Trend Rate Assumption</b>	
\$ 11,107,326,981	\$ 13,544,836,210	\$ 16,700,824,804

## **APPENDIX A**

---

### **ALLOCATION OF THE NET OPEB LIABILITY, CONTRIBUTIONS FROM NONEMPLOYER CONTRIBUTING ENTITIES AND IMPLICIT SUBSIDY**

Allocation of the Net OPEB Liability, Contributions from Nonemployer Contributing Entities and Implicit Subsidy

Participating Employer	Payroll	Proportionate Share	Employer Contributions for Plan Year Ending June 30, 2017			Total Employer Contribution (4) + (5)	Contributions from Nonemployer Contributing Entities For Plan Year Ending 6/30/2017	Implicit Subsidy Year Ending 6/30/2018	Net OPEB Liability 6/30/2016	Net OPEB Liability as of June 30, 2017				
			5.33% Surcharge Contribution (Derived from Payroll)	Implicit Subsidy						Baseline Discount Rate 3.56%	Discount Rate Less 1.00% 2.56%	Discount Rate Plus 1.00% 4.56%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
<b>Aggregate</b>	8,432,842,511.67	100.00%	449,470,506	(37,896,163)	411,574,343	79,306,737	(10,767,207)	14,468,630,916	13,544,836,210	15,951,988,645	11,604,082,103	11,107,326,981	16,700,824,804	
<b>Employer</b>														
10001	210,700.01	0.002498%	11,230	(947)	10,283	1,981	(269)	361,426	338,350	398,481	289,870	277,461	417,187	
10002	909,015.73	0.010780%	48,451	(4,085)	44,366	8,549	(1,161)	1,559,718	1,460,133	1,719,624	1,250,920	1,197,370	1,800,349	
10100	7,288,835.36	0.086434%	388,495	(32,755)	355,740	68,548	(9,307)	12,505,816	11,707,344	13,787,942	10,029,872	9,600,507	14,435,191	
10200	7,151,036.17	0.084800%	381,150	(32,136)	349,014	67,252	(9,131)	12,269,399	11,486,021	13,527,286	9,840,262	9,419,013	14,162,299	
10300	22,460,888.25	0.266350%	1,197,165	(100,936)	1,096,229	211,233	(28,678)	38,537,198	36,076,671	42,488,122	30,907,473	29,584,365	44,482,647	
10600	2,590,762.13	0.030722%	138,088	(11,642)	126,446	24,365	(3,308)	4,445,053	4,161,245	4,900,770	3,565,006	3,412,393	5,130,827	
10700	2,584,031.10	0.030643%	137,729	(11,613)	126,116	24,302	(3,299)	4,433,623	4,150,544	4,888,168	3,555,839	3,403,618	5,117,634	
10900	1,067,381.81	0.012657%	56,891	(4,797)	52,094	10,038	(1,363)	1,831,295	1,714,370	2,019,043	1,468,729	1,405,854	2,113,823	
12300	574,979.26	0.006818%	30,646	(2,584)	28,062	5,407	(734)	986,471	923,487	1,087,607	791,166	757,298	1,138,662	
13300	2,546,344.03	0.030196%	135,720	(11,443)	124,277	23,947	(3,251)	4,368,948	4,089,999	4,816,862	3,503,969	3,353,968	5,042,981	
13600	1,773,826.90	0.021035%	94,545	(7,971)	86,574	16,682	(2,265)	3,043,477	2,849,156	3,355,501	2,440,919	2,336,426	3,513,018	
13700	485,368.55	0.005756%	25,870	(2,181)	23,689	4,565	(620)	832,814	779,641	918,196	667,931	639,338	961,299	
20101	1,385,931.19	0.016435%	73,870	(6,228)	67,642	13,034	(1,770)	2,377,919	2,226,094	2,621,709	1,907,131	1,825,489	2,744,781	
20102	33,959,478.79	0.402705%	1,810,040	(152,610)	1,657,430	319,372	(43,360)	58,265,900	54,545,733	64,239,456	46,730,219	44,729,761	67,255,057	
20108	179,048.41	0.002123%	9,543	(805)	8,738	1,684	(229)	307,169	287,557	338,661	246,355	235,809	354,559	
20200	1,488,260.18	0.017648%	79,324	(6,688)	72,636	13,996	(1,900)	2,553,424	2,390,393	2,815,207	2,047,888	1,960,221	2,947,362	
20300	1,926,450.40	0.022845%	102,680	(8,657)	94,023	18,118	(2,460)	3,305,359	3,094,318	3,644,232	2,650,953	2,537,469	3,815,303	
20400	11,616,528.40	0.137753%	619,161	(52,203)	566,958	109,247	(14,832)	19,930,973	18,658,418	21,974,343	15,984,971	15,300,676	23,005,887	
20500	4,360,368.84	0.051707%	232,408	(19,595)	212,813	41,007	(5,567)	7,481,295	7,003,628	8,248,295	6,000,123	5,743,266	8,635,495	
20600	16,586,201.78	0.196686%	884,045	(74,536)	809,509	155,985	(21,178)	28,457,771	26,640,797	31,375,328	22,823,605	21,846,557	32,848,184	
21100	1,261,851.12	0.014964%	67,257	(5,671)	61,586	11,867	(1,611)	2,165,086	2,026,849	2,387,056	1,736,435	1,662,100	2,499,111	
21400	48,185,397.08	0.571402%	2,568,282	(216,539)	2,351,743	453,160	(61,524)	82,674,046	77,395,465	91,149,982	66,305,957	63,467,489	95,428,847	
21900	274,191.23	0.003251%	14,614	(1,232)	13,382	2,578	(350)	470,375	440,343	518,599	377,249	361,099	542,944	
22100	1,927,467.68	0.022857%	102,734	(8,662)	94,072	18,127	(2,461)	3,307,095	3,095,943	3,646,146	2,652,345	2,538,802	3,817,308	
22200	82,068.72	0.000973%	4,374	(369)	4,005	772	(105)	140,780	131,791	155,213	112,908	108,074	162,499	
30100	534,569,366.99	6.339136%	28,492,546	(2,402,294)	26,090,252	5,027,365	(682,546)	917,186,333	858,625,715	1,011,218,423	735,598,658	704,108,677	1,058,688,168	
30200	45,616,931.87	0.540944%	2,431,382	(204,997)	2,226,385	429,005	(58,245)	78,267,191	73,269,979	86,291,325	62,771,586	60,084,419	90,342,110	
30300	346,863,854.13	4.113249%	18,487,843	(1,558,764)	16,929,079	3,262,084	(442,882)	595,130,816	557,132,840	656,145,013	477,304,791	456,872,016	686,946,509	
30400	53,461,195.31	0.633964%	2,849,482	(240,248)	2,609,234	502,776	(68,260)	91,725,911	85,869,385	101,129,865	73,565,703	70,416,454	105,877,217	
30500	270,603,425.93	3.208923%	14,423,163	(1,216,059)	13,207,104	2,544,892	(345,511)	464,287,225	434,643,364	511,887,033	372,366,060	356,425,570	535,916,608	
30600	25,482,958.09	0.302187%	1,358,242	(114,517)	1,243,725	239,655	(32,537)	47,722,322	40,930,734	48,204,836	35,066,028	33,564,898	50,467,721	
30700	2,205,660.82	0.026156%	117,562	(9,912)	107,650	20,743	(2,816)	3,784,415	3,542,787	4,172,402	3,035,164	2,905,232	4,368,268	
30800	15,765,914.61	0.186958%	840,323	(70,850)	769,473	148,270	(20,130)	27,050,263	25,323,155	29,823,519	21,694,760	20,766,036	31,223,528	
30900	3,743,356.79	0.044390%	199,521	(16,822)	182,699	35,204	(4,780)	6,422,625	6,012,553	7,081,088	5,151,052	4,930,542	7,413,496	
31100	9,091,970.80	0.107816%	484,602	(40,858)	443,744	85,505	(11,609)	15,599,499	14,603,501	17,198,796	12,511,057	11,975,476	18,006,161	
31102	8,470,212.51	0.100443%	451,462	(38,064)	413,398	79,658	(10,815)	14,532,727	13,604,840	16,022,656	11,655,488	11,156,532	16,774,809	
31104	20,019,828.36	0.237403%	1,067,057	(89,967)	977,090	188,277	(25,562)	34,348,964	32,155,848	37,870,500	27,548,439	26,369,127	39,648,259	
31105	4,583,538.09	0.054354%	244,303	(20,598)	223,705	43,106	(5,852)	7,864,280	7,362,160	8,670,544	6,307,283	6,037,277	9,077,566	
31107	8,883,072.73	0.105339%	473,468	(39,919)	433,549	83,541	(11,342)	15,241,111	14,267,995	16,803,665	12,223,624	11,700,347	17,592,482	
31108	45,589,875.18	0.540623%	2,429,940	(204,875)	2,225,065	428,750	(58,210)	78,220,747	73,226,500	86,240,120	62,734,337	60,048,764	90,288,500	
31113	4,113,070.77	0.048775%	219,227	(18,484)	200,743	38,682	(5,252)	7,057,075	6,606,494	7,780,582	5,659,891	5,417,599	8,145,827	
31121	19,792,303.74	0.234705%	1,054,930	(88,944)	965,986	186,137	(25,271)	33,958,600	31,790,408	37,440,115	27,235,361	26,069,452	39,197,671	
31123	44,637,390.53	0.529328%	2,379,173	(200,595)	2,178,578	419,793	(56,994)	76,586,515	71,696,611	84,438,342	61,423,656	58,794,192	88,402,142	
31124	16,597,396.14	0.196818%	884,641	(74,586)	810,055	156,090	(21,192)	28,476,870	26,658,676	31,396,385	22,838,922	21,861,219	32,870,229	
31126	21,117,099.40	0.250415%	1,125,541	(94,898)	1,030,643	198,596	(26,963)	36,231,622	33,918,302	39,946,172	29,058,362	27,814,413	41,821,370	
31138	11,447,000.94	0.135743%	610,125	(51,441)	558,684	107,653	(14,616)	19,640,154	18,386,167	21,653,708	15,751,729	15,077,419	22,670,201	
31140	47,236,973.84	0.560155%	2,517,731	(212,277)	2,305,454	444,241	(60,313)	81,046,760	75,872,077	89,355,862	65,000,846	62,218,247	93,550,505	
31142	18,209,355.69	0.215934%	970,559	(81,831)	888,728	171,250	(23,250)	31,242,693	29,247,907	34,445,767	25,057,159	23,984,495	36,062,759	
31143	13,276,826.00	0.157442%	707,655	(59,664)	647,991	124,862	(16,952)	22,779,702	21,325,261	25,115,130	18,269,699	17,487,598	26,294,113	
31146	17,951,402.15	0.212875%	956,810	(80,671)	876,139	168,244	(22,821)	30,800,098	28,833,570	33,957,796	24,702,190	23,644,722	35,551,881	
31200	3,074,057.37	0.036453%	163,847	(13,814)	150,033	28,910	(3,825)	5,274,250	4,937,499	5,814,978	4,230,036	4,048,954	6,087,952	
31300	31,693,464.91	0.375834%	1,689,262	(142,427)	1,546,835	298,062	(40,467)	54,378,034	50,906,100	59,952,997	43,612,086	41,745,111	62,767,378	
31400	99,669,345.25	1.181919%	5,312,376	(447,920)	4,864,474	937,341	(127,260)	171,007,498	160,088,993	188,539,585	137,150,851	131,279,608	197,390,222	
31600	21,510,457.19	0.255079%	1,146,507	(96,665)	1,049,842	202,295	(27,465)	36,906,439	34,550,033	40,690,173	29,599,577	28,332,459	42,600,297	
31700	89,605,720.63	1.062580%	4,775,985	(402,677)	4,373,308	842,698	(114,410)	153,740,778	143,924,721	169,502,641	123,302,656	118,024,235	177,459,624	
40100	148,148,998.15	1.756810%	7,896,342	(665,764)	7,230,578	1,393,269	(189,159)	254,186,355	237,957,037	280,246,132	203,861,675	195		

Allocation of the Net OPEB Liability, Contributions from Nonemployer Contributing Entities and Implicit Subsidy

Participating Employer	Payroll	Proportionate Share	Employer Contributions for Plan Year Ending June 30, 2017			Contributions from Nonemployer Contributing Entities For Plan Year Ending 6/30/2017	Implicit Subsidy Year Ending 6/30/2018	Net OPEB Liability 6/30/2016	Net OPEB Liability as of June 30, 2017				
			5.33% Surcharge Contribution (Derived from Payroll)	Implicit Subsidy	Total Employer Contribution (4) + (5)				Baseline Discount Rate 3.56%	Discount Rate Less 1.00% 2.56%	Discount Rate Plus 1.00% 4.56%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
<b>Aggregate</b>	8,432,842,511.67	100.00%	449,470,506	(37,896,163)	411,574,343	79,306,737	(10,767,207)	14,468,630,916	13,544,836,210	15,951,988,645	11,604,082,103	11,107,326,981	16,700,824,804
<b>Employer</b>													
61000	65,085,768.24	0.771813%	3,469,071	(292,488)	3,176,583	612,100	(83,103)	111,670,774	104,540,807	123,119,522	89,561,814	85,727,794	128,899,137
61200	1,691,750.00	0.020061%	90,170	(7,602)	82,568	15,910	(2,160)	2,902,552	2,717,230	3,200,128	2,327,895	2,228,241	3,350,352
62500	805,794.67	0.009555%	42,949	(3,621)	39,328	7,578	(1,029)	1,382,478	1,294,209	1,524,213	1,108,770	1,061,305	1,595,764
62700	2,748,329.47	0.032591%	146,486	(12,351)	134,135	25,847	(3,509)	4,715,472	4,414,398	5,198,913	3,781,886	3,619,989	5,442,966
63000	7,388,551.40	0.087616%	393,810	(33,203)	360,607	69,485	(9,434)	12,676,836	11,867,444	13,976,494	10,167,033	9,731,796	14,632,595
63500	5,082,459.16	0.060270%	270,895	(22,840)	248,055	47,798	(6,489)	8,720,244	8,163,473	9,614,264	6,993,780	6,694,386	10,065,587
63700	1,751,215.22	0.020767%	93,340	(7,870)	85,470	16,470	(2,236)	3,004,701	2,812,856	3,312,749	2,409,820	2,306,659	3,468,260
63800	204,207.72	0.002422%	10,884	(918)	9,966	1,921	(261)	350,430	328,056	386,357	281,051	269,019	404,494
64100	609,694.79	0.007230%	32,497	(2,740)	29,757	5,734	(778)	1,046,082	979,292	1,153,329	838,975	803,060	1,207,470
66600	811,723.82	0.009626%	43,265	(3,648)	39,617	7,634	(1,036)	1,392,750	1,303,826	1,535,538	1,117,009	1,069,191	1,607,621
67000	186,127.10	0.002207%	9,921	(836)	9,085	1,750	(238)	319,233	298,935	352,060	256,102	245,139	368,587
67100	7,294,891.40	0.086506%	388,818	(32,782)	356,036	68,605	(9,314)	12,516,234	11,717,096	13,799,427	10,038,227	9,608,504	14,447,216
67200	228,541.84	0.002710%	12,181	(1,027)	11,154	2,149	(292)	392,100	367,065	432,299	314,471	301,009	452,592
67300	5,160,333.10	0.061193%	275,046	(23,190)	251,856	48,530	(6,589)	8,853,789	8,288,492	9,761,500	7,100,886	6,796,907	10,219,736
67400	4,749,387.69	0.056320%	253,142	(21,343)	231,799	44,666	(6,064)	8,148,733	7,628,452	8,984,160	6,535,419	6,255,647	9,405,905
67500	5,659,964.98	0.067118%	301,676	(25,435)	276,241	53,229	(7,227)	9,711,056	9,091,023	10,706,656	7,788,428	7,455,016	11,209,260
67600	847,787.81	0.010053%	45,187	(3,810)	41,377	7,973	(1,082)	1,454,531	1,361,662	1,603,653	1,166,558	1,116,620	1,678,934
<b>67800</b>	<b>14,974,099.45</b>	<b>0.177569%</b>	<b>798,120</b>	<b>(67,292)</b>	<b>730,828</b>	<b>140,824</b>	<b>(19,119)</b>	<b>25,691,803</b>	<b>24,051,430</b>	<b>28,325,787</b>	<b>20,605,253</b>	<b>19,723,169</b>	<b>29,655,488</b>
67900	428,159.81	0.005077%	22,821	(1,924)	20,897	4,026	(547)	734,572	687,671	809,882	589,139	563,919	847,901
68000	576,119.39	0.006832%	30,707	(2,589)	28,118	5,418	(736)	988,497	925,383	1,089,840	792,791	758,853	1,141,000
68100	4,749,046.60	0.056316%	253,124	(21,342)	231,782	44,662	(6,064)	8,148,514	7,627,910	8,983,522	6,534,955	6,255,202	9,405,236
68200	39,761,265.49	0.471505%	2,119,275	(178,682)	1,940,593	373,935	(50,768)	68,220,318	63,864,580	75,214,424	54,713,827	52,371,602	78,745,224
68300	8,075,287.20	0.095760%	430,413	(36,289)	394,124	75,944	(10,311)	13,855,161	12,970,535	15,275,624	11,112,069	10,636,376	15,992,710
68400	275,240.92	0.003264%	14,670	(1,237)	13,433	2,589	(351)	472,256	442,103	520,673	378,757	362,543	545,115
70709	733,685.32	0.008700%	39,105	(3,297)	35,808	6,900	(937)	1,258,771	1,178,401	1,387,823	1,009,555	966,337	1,452,972
71036	414,970.08	0.004921%	22,118	(1,865)	20,253	3,903	(530)	712,001	666,541	784,997	571,037	546,592	821,848
72110	1,231,993.00	0.014609%	65,665	(5,536)	60,129	11,586	(1,573)	2,113,722	1,978,765	2,330,426	1,695,240	1,622,669	2,439,823
72114	242,595.74	0.002877%	12,930	(1,090)	11,840	2,282	(310)	416,263	389,685	458,939	333,849	319,558	480,483
72116	869,178.83	0.010307%	46,327	(3,906)	42,421	8,174	(1,110)	1,491,282	1,396,066	1,644,171	1,196,033	1,144,832	1,721,354
72210	2,187,916.54	0.025945%	116,616	(9,832)	106,784	20,576	(2,794)	3,753,886	3,514,208	4,138,743	3,010,679	2,881,796	4,333,029
72411	87,999.96	0.001043%	4,690	(395)	4,295	827	(112)	150,908	141,273	166,379	121,031	115,849	174,190
72507	1,491,278.89	0.017684%	79,485	(6,702)	72,783	14,025	(1,904)	2,558,633	2,395,269	2,820,950	2,052,066	1,964,220	2,953,374
74306	1,238,539.32	0.014687%	66,014	(5,566)	60,448	11,648	(1,581)	2,125,008	1,989,330	2,342,869	1,704,292	1,631,333	2,452,850
74310	1,232,971.42	0.014621%	65,717	(5,541)	60,176	11,595	(1,574)	2,115,459	1,980,391	2,332,340	1,696,633	1,624,002	2,441,828
74616	1,246,758.65	0.014785%	66,452	(5,603)	60,849	11,726	(1,592)	2,139,187	2,002,604	2,358,502	1,715,664	1,642,218	2,469,217
75005	689,119.26	0.008172%	36,730	(3,097)	33,633	6,481	(880)	1,182,377	1,106,884	1,303,597	948,286	907,691	1,364,791
75011	1,603,610.56	0.019016%	85,472	(7,206)	78,266	15,081	(2,047)	2,751,355	2,575,686	3,033,430	2,206,632	2,112,169	3,175,829
80101	17,970,253.46	0.213099%	957,815	(80,756)	877,059	169,002	(22,945)	30,832,508	28,863,911	33,993,528	24,728,183	23,669,603	35,589,291
80103	947,718.77	0.011238%	50,513	(4,259)	46,254	8,912	(1,210)	1,625,985	1,522,169	1,792,684	1,304,067	1,248,241	1,876,839
80201	127,323,484.33	1.509853%	6,786,342	(572,176)	6,214,166	1,197,415	(162,569)	218,455,058	204,507,116	240,851,579	175,204,582	167,704,310	252,157,904
80202	1,748,642.89	0.020736%	93,203	(7,858)	85,345	16,445	(2,233)	3,000,215	2,808,657	3,307,804	2,406,222	2,303,215	3,463,083
80302	8,677,616.70	0.102903%	462,517	(38,996)	423,521	81,609	(11,080)	14,888,655	13,938,043	16,415,075	11,940,949	11,429,773	17,185,650
80401	46,028,333.30	0.545822%	2,453,310	(206,846)	2,246,464	432,874	(58,770)	78,972,971	73,930,696	87,069,463	63,337,633	60,626,234	91,156,776
80402	18,379,199.75	0.217948%	979,611	(82,594)	897,017	172,847	(23,467)	31,534,092	29,520,700	34,767,040	25,290,865	24,208,197	36,399,114
80403	14,458,571.38	0.171456%	770,642	(64,975)	705,667	135,976	(18,461)	24,807,336	23,223,434	27,350,642	19,895,895	19,044,179	28,634,566
80404	18,096,309.39	0.214593%	964,533	(81,323)	883,210	170,187	(23,106)	31,048,669	29,066,270	34,231,851	24,901,548	23,835,546	35,838,801
80405	71,144,394.59	0.843658%	3,791,996	(319,714)	3,472,282	669,078	(90,838)	122,065,762	114,272,094	134,580,228	97,988,767	93,707,853	140,897,845
80406	616,411.74	0.007310%	32,855	(2,770)	30,085	5,797	(787)	1,057,657	990,128	1,166,090	848,258	811,946	1,220,830
80407	2,599,061.27	0.030821%	138,530	(11,680)	126,850	24,443	(3,319)	4,459,377	4,174,654	4,916,562	3,576,494	3,423,389	5,147,361
80409	1,141,347.53	0.013535%	60,834	(5,129)	55,705	10,734	(1,457)	1,958,329	1,833,294	2,159,102	1,570,613	1,503,377	2,260,457
80502	4,397,663.94	0.052149%	234,395	(19,762)	214,633	41,358	(5,615)	7,545,246	7,063,497	8,318,803	6,051,413	5,792,360	8,709,313
80503	9,296,351.64	0.110240%	495,496	(41,777)	453,719	87,428	(11,870)	15,950,219	14,931,827	17,585,472	12,792,340	12,244,717	18,410,989
80601	13,221,418.48	0.156785%	704,702	(59,415)	645,287	124,341	(16,881)	22,684,643	21,236,271	25,010,325	18,193,460	17,414,623	26,184,388
80602	4,437,489.33	0.052621%	236,518	(19,941)	216,577	41,732	(5,666)	7,613,538	7,127,428	8,394,096	6,106,184	5,844,787	8,788,141
80603	5,908,974.61	0.070071%	314,948	(26,554)	288,394	55,571	(7,545)	10,138,314	9,491,002	11,177,718	8,131,096	7,783,015	11,702,435
80606	974,426.90	0.011555%	51,937	(4,379)	47,558	9,164	(1,244)	1,671,850	1,565,106	1,843,252	1,340,852	1,283,452	1,929,780
80701	126,263,575.98	1.497284%	6,729,849	(567,413)	6,162,436	1,187,447	(161,216)	216,636,496	202,804,665	238,846,574	173,746,065	166,308,230	250,058,778
80702	1,137,647.45	0.013491%	60,637	(5,113)	55,524	10,699	(1,453)	1,951,9					

Allocation of the Net OPEB Liability, Contributions from Nonemployer Contributing Entities and Implicit Subsidy

Participating Employer	Payroll	Proportionate Share	Employer Contributions for Plan Year Ending June 30, 2017			Total Employer Contribution (4) + (5)	Contributions from Nonemployer Contributing Entities For Plan Year Ending 6/30/2017	Implicit Subsidy Year Ending 6/30/2018	Net OPEB Liability 6/30/2016	Net OPEB Liability as of June 30, 2017				
			5.33% Surcharge Contribution (Derived from Payroll)	Implicit Subsidy						Baseline Discount Rate 3.56%	Discount Rate Less 1.00% 2.56%	Discount Rate Plus 1.00% 4.56%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
<b>Aggregate</b>	8,432,842,511.67	100.00%	449,470,506	(37,896,163)	411,574,343	79,306,737	(10,767,207)	14,468,630,916	13,544,836,210	15,951,988,645	11,604,082,103	11,107,326,981	16,700,824,804	
<b>Employer</b>														
82401	5,429,660.82	0.064387%	289,401	(24,400)	265,001	51,063	(6,933)	9,315,917	8,721,114	10,271,007	7,471,520	7,151,675	10,753,160	
82402	50,207,797.27	0.595384%	2,676,076	(225,628)	2,450,448	472,180	(64,106)	86,143,913	80,643,788	94,975,588	69,088,848	66,131,248	99,434,039	
82406	8,432,602.04	0.099997%	449,458	(37,895)	411,563	79,304	(10,767)	14,468,197	13,544,430	15,951,510	11,603,734	11,106,994	16,700,324	
82501	4,947,925.20	0.058674%	263,724	(22,235)	241,489	46,532	(6,318)	8,489,325	7,947,297	9,359,670	6,808,579	6,517,113	9,799,042	
82502	13,393,832.74	0.158829%	713,891	(60,190)	653,701	125,962	(17,101)	22,980,382	21,513,128	25,336,384	18,430,648	17,641,656	26,525,753	
82601	265,354,067.27	3.146674%	14,143,372	(1,192,469)	12,950,903	2,495,524	(338,809)	455,280,647	426,211,839	501,957,079	365,142,634	349,511,370	525,520,512	
82602	797,404.31	0.009456%	42,502	(3,583)	38,919	7,499	(1,018)	1,368,154	1,280,800	1,508,420	1,097,282	1,050,309	1,579,230	
82603	1,204,207.74	0.014280%	64,184	(5,412)	58,772	11,325	(1,538)	2,066,120	1,934,203	2,277,944	1,657,063	1,586,126	2,384,878	
82604	812,936.47	0.009640%	43,330	(3,653)	39,677	7,645	(1,038)	1,394,776	1,305,722	1,537,772	1,118,634	1,070,746	1,609,960	
82701	16,456,088.20	0.195143%	877,110	(73,952)	803,158	154,762	(21,011)	28,234,520	26,431,800	31,129,189	22,644,554	21,675,171	32,590,491	
82702	3,641,414.47	0.043181%	194,087	(16,364)	177,723	34,245	(4,649)	6,247,700	5,848,796	6,888,228	5,010,759	4,796,255	7,211,583	
82801	57,426,705.11	0.680989%	3,060,843	(258,069)	2,802,774	540,070	(73,323)	98,529,785	92,238,845	108,631,288	79,022,523	75,639,675	113,730,780	
82901	69,924,301.44	0.829190%	3,726,965	(314,231)	3,412,734	657,604	(89,281)	119,972,441	112,312,427	132,272,295	96,219,888	92,100,845	138,481,569	
83001	32,434,854.04	0.384625%	1,728,778	(145,758)	1,583,020	305,034	(41,413)	55,649,972	52,096,826	61,355,336	44,632,201	42,721,556	64,235,547	
83005	17,314,591.48	0.205323%	922,868	(77,810)	845,058	162,835	(22,108)	29,707,427	27,810,664	32,753,102	23,825,849	22,805,897	34,290,635	
83101	12,449,461.93	0.147631%	663,556	(55,946)	607,610	117,081	(15,896)	21,360,185	19,996,377	23,550,080	17,131,222	16,397,858	24,655,595	
83202	52,381,466.76	0.621160%	2,791,932	(235,396)	2,556,536	492,622	(66,882)	89,873,348	84,135,105	99,087,373	72,079,916	68,994,272	103,738,843	
83203	14,222,620.11	0.168658%	758,066	(63,915)	694,151	133,757	(18,160)	24,402,504	23,444,450	26,904,305	19,571,213	18,733,396	28,167,277	
83204	18,286,377.05	0.216874%	974,664	(82,177)	892,487	171,974	(23,348)	31,374,792	29,371,571	34,591,409	25,163,104	24,085,905	36,215,238	
83205	119,254,088.36	1.414162%	6,356,243	(535,313)	5,820,930	1,121,526	(152,266)	204,609,880	191,545,927	225,586,962	164,100,520	157,075,597	236,176,718	
83206	165,015,965.63	1.956825%	8,795,351	(741,562)	8,053,789	1,551,894	(210,695)	283,125,787	265,048,741	312,152,502	227,071,580	217,350,951	326,805,915	
83207	655,205.65	0.007770%	34,922	(2,945)	31,977	6,162	(837)	1,124,213	1,052,434	1,239,470	901,637	863,039	1,297,654	
83301	24,717,279.00	0.293107%	1,317,431	(111,076)	1,206,355	232,454	(31,559)	42,408,570	39,700,863	46,756,395	34,012,377	32,556,353	48,951,287	
83402	23,131,610.45	0.274304%	1,232,915	(103,951)	1,128,964	217,542	(29,535)	39,688,033	37,154,028	43,756,943	31,830,461	30,467,842	45,811,030	
83501	5,938,606.76	0.070422%	316,528	(26,687)	289,841	55,849	(7,582)	10,189,099	9,538,545	11,233,709	8,171,827	7,822,002	11,761,055	
83601	36,596,047.77	0.433970%	1,950,569	(164,458)	1,786,111	344,167	(46,726)	62,789,518	58,780,526	69,226,845	50,358,235	48,202,467	72,476,569	
83701	67,452,381.61	0.799877%	3,595,212	(303,123)	3,292,089	634,356	(86,124)	115,731,251	108,342,030	127,596,288	92,818,384	88,844,954	133,586,056	
83802	44,495,620.02	0.527647%	2,371,617	(199,958)	2,171,659	418,460	(56,813)	76,343,297	71,468,922	84,170,190	61,228,591	58,607,478	88,121,401	
83805	18,547,165.29	0.219940%	988,564	(83,349)	905,215	174,427	(23,681)	31,822,307	29,790,513	35,084,804	25,522,018	24,429,455	36,731,794	
83806	20,843,566.58	0.247171%	1,110,962	(93,668)	1,017,294	196,023	(26,613)	35,762,260	33,478,907	39,428,690	28,681,926	27,454,091	41,279,549	
83810	1,328,718.03	0.015757%	70,821	(5,971)	64,850	12,496	(1,697)	2,279,822	2,134,260	2,513,555	1,828,455	1,750,182	2,631,546	
83811	2,113,479.37	0.025062%	112,648	(9,498)	103,150	19,876	(2,698)	3,626,128	3,394,607	3,997,887	2,908,215	2,783,718	4,185,561	
83901	81,396,211.22	0.965229%	4,338,418	(365,785)	3,972,633	765,492	(103,928)	139,655,422	130,738,687	153,973,220	112,005,966	107,211,141	161,201,204	
84002	197,840,858.57	2.346076%	10,544,918	(889,073)	9,655,845	1,860,596	(252,607)	339,445,077	317,772,152	374,245,777	272,240,585	260,586,333	391,814,043	
84003	181,348,179.18	2.150499%	9,665,858	(814,957)	8,850,901	1,705,491	(231,549)	311,147,763	291,281,567	343,047,356	249,545,670	238,862,956	359,151,070	
84004	833,034.69	0.009879%	44,401	(3,744)	40,657	7,835	(1,064)	1,429,356	1,338,094	1,575,897	1,146,367	1,097,293	1,649,874	
84005	1,463,813.41	0.017358%	78,021	(6,578)	71,443	13,766	(1,869)	2,511,465	2,351,113	2,768,946	2,014,237	1,928,010	2,898,929	
84006	6,896,433.20	0.081781%	367,580	(30,992)	336,588	64,858	(8,806)	11,832,591	11,077,103	13,045,696	9,489,934	9,083,683	13,658,102	
84008	544,985.01	0.006463%	29,048	(2,449)	26,599	5,126	(696)	935,108	875,403	1,030,977	749,972	717,867	1,079,374	
84009	1,420,925.72	0.016850%	75,735	(6,386)	69,349	13,363	(1,814)	2,437,964	2,282,305	2,687,910	1,955,288	1,871,585	2,814,089	
84010	346,198.91	0.004105%	18,452	(1,556)	16,896	3,256	(442)	593,937	556,016	654,829	476,348	455,956	685,569	
84011	778,253.61	0.009229%	41,481	(3,497)	37,984	7,319	(994)	1,335,310	1,250,053	1,472,209	1,070,941	1,025,095	1,541,319	
84012	632,942.30	0.007506%	33,736	(2,844)	30,892	5,953	(808)	1,086,015	1,016,675	1,197,356	871,002	833,716	1,253,564	
84101	13,289,545.72	0.157593%	708,333	(59,722)	648,611	124,982	(16,968)	22,801,550	21,345,714	25,139,217	18,287,221	17,504,370	26,319,331	
84203	57,657,765.11	0.683729%	3,073,159	(259,107)	2,814,052	542,243	(73,619)	98,926,225	92,609,973	109,068,372	79,340,475	75,944,016	114,188,382	
84207	66,147,433.10	0.784403%	3,525,658	(297,259)	3,228,399	622,084	(84,458)	113,492,375	106,246,102	125,127,877	91,022,768	87,126,206	131,001,771	
84208	14,993,177.75	0.177795%	799,136	(67,377)	731,759	141,003	(19,144)	25,724,502	24,082,042	28,361,838	20,631,478	19,748,272	29,693,231	
84209	48,415,266.94	0.574128%	2,580,534	(217,572)	2,362,962	455,322	(61,818)	83,068,461	77,764,697	91,584,833	66,622,284	63,770,274	95,884,111	
84210	20,692,885.20	0.245385%	1,102,931	(92,991)	1,009,940	194,607	(26,421)	35,503,850	33,236,996	39,143,787	28,474,677	27,255,714	40,981,319	
84211	29,161,868.56	0.345813%	1,554,328	(131,050)	1,423,278	274,253	(37,234)	50,034,407	46,839,804	55,164,050	40,128,424	38,410,581	57,753,623	
84212	52,101,767.19	0.617843%	2,777,024	(234,139)	2,542,885	489,991	(66,524)	89,393,423	83,685,822	98,558,245	71,695,009	68,625,842	103,184,877	
84213	2,562,061.09	0.030382%	136,558	(11,514)	125,044	24,095	(3,271)	4,395,859	4,115,192	4,846,533	3,525,552	3,374,628	5,074,045	
84214	1,750,486.46	0.020758%	93,301	(7,866)	85,435	16,462	(2,235)	3,003,398	2,811,637	3,311,314	2,408,775	2,305,659	3,466,757	
84215	4,946,887.19	0.058662%	263,669	(22,231)	241,438	46,523	(6,316)	8,487,588	7,945,672	9,357,756	6,807,187	6,515,780	9,797,038	
84301	100,087,289.98	1.186875%	5,334,653	(449,780)	4,884,873	941,272	(127,793)	171,724,563	160,760,275	189,330,165	137,725,949	131,830,087	198,217,914	
84401	21,110,443.10	0.25033												

## **APPENDIX B**

---

### **ALLOCATION OF THE OPEB EXPENSE AND DEFERRED OUTFLOWS AND INFLOWS OF RESOURCES RELATED TO OPEB**

**Allocation of the OPEB Expense and Deferred Outflows and Inflows of Resources Related to OPEB**

Participating Employer	OPEB Expense			Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Plan Years Ending June 30,						
	Proportionate Share of Aggregate Plan OPEB Expense	Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Employer OPEB Expense	Liability Experience	Assumption Changes	Investment Experience	Outstanding Outflow Balance Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Changes	Investment Experience	Outstanding Inflow Balance Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2018	2019	2020	2021	2022	Thereafter	
																				(1)
<b>Aggregate</b>	824,421,960	N/A	N/A	-	-	23,273,836	N/A	23,273,836	5,878,607	1,274,506,072	-	N/A	1,280,384,679	(199,174,284)	(199,174,284)	(199,174,284)	(199,174,284)	(204,992,743)	(255,420,964)	
<b>Employer</b>																				
10001	20,594	(1)	20,593	-	-	581	-	581	147	31,837	-	3	31,987	(4,976)	(4,976)	(4,976)	(4,975)	(5,121)	(6,382)	
10002	88,873	(4)	88,869	-	-	2,509	-	2,509	634	137,392	-	22	138,048	(21,475)	(21,475)	(21,475)	(21,475)	(22,102)	(27,537)	
10100	712,581	(27)	712,554	-	-	20,117	-	20,117	5,081	1,101,607	-	167	1,106,855	(172,181)	(172,181)	(172,181)	(172,181)	(177,210)	(220,804)	
10200	699,110	(26)	699,084	-	-	19,736	-	19,736	4,985	1,080,781	-	166	1,085,932	(168,926)	(168,926)	(168,926)	(168,926)	(173,860)	(216,632)	
10300	2,195,848	(83)	2,195,765	-	-	61,990	-	61,990	15,658	3,394,647	-	515	3,410,820	(530,584)	(530,584)	(530,584)	(530,584)	(546,081)	(680,413)	
10600	253,279	(9)	253,270	-	-	7,150	-	7,150	1,806	391,554	-	58	393,418	(61,199)	(61,199)	(61,199)	(61,199)	(62,987)	(78,485)	
10700	252,628	(10)	252,618	-	-	7,132	-	7,132	1,801	390,547	-	62	392,410	(61,043)	(61,043)	(61,043)	(61,043)	(62,826)	(78,280)	
10900	104,347	(4)	104,343	-	-	2,946	-	2,946	744	161,314	-	23	162,081	(25,213)	(25,213)	(25,213)	(25,213)	(25,950)	(32,333)	
12300	56,209	(2)	56,207	-	-	1,587	-	1,587	401	86,896	-	12	87,309	(13,582)	(13,582)	(13,582)	(13,582)	(13,978)	(17,416)	
13300	248,942	(10)	248,932	-	-	7,028	-	7,028	1,775	384,850	-	60	386,685	(60,153)	(60,153)	(60,153)	(60,153)	(61,910)	(77,135)	
13600	173,417	(7)	173,410	-	-	4,896	-	4,896	1,237	268,092	-	41	269,370	(41,903)	(41,903)	(41,903)	(41,903)	(43,127)	(53,735)	
13700	47,454	(2)	47,452	-	-	1,340	-	1,340	338	73,361	-	12	73,711	(11,466)	(11,466)	(11,466)	(11,466)	(11,801)	(14,706)	
20101	135,494	(5)	135,489	-	-	3,825	-	3,825	966	209,465	-	32	210,463	(32,739)	(32,739)	(32,739)	(32,739)	(33,696)	(41,986)	
20102	3,319,988	(125)	3,319,863	-	-	93,725	-	93,725	23,673	5,156,954	-	781	5,156,954	(802,210)	(802,210)	(802,210)	(802,210)	(825,641)	(1,028,748)	
20108	17,502	(1)	17,501	-	-	494	-	494	125	27,058	-	3	27,186	(4,229)	(4,229)	(4,229)	(4,228)	(4,352)	(5,425)	
20200	145,494	(5)	145,489	-	-	4,107	-	4,107	1,037	224,925	-	33	225,995	(35,155)	(35,155)	(35,155)	(35,155)	(36,182)	(45,086)	
20300	188,339	(7)	188,332	-	-	5,317	-	5,317	1,343	291,161	-	46	292,550	(45,508)	(45,508)	(45,508)	(45,508)	(46,838)	(58,363)	
20400	1,135,666	(43)	1,135,623	-	-	32,060	-	32,060	8,098	1,755,670	-	265	1,764,033	(274,412)	(274,412)	(274,412)	(274,412)	(282,427)	(351,898)	
20500	426,284	(16)	426,268	-	-	12,034	-	12,034	3,040	659,009	-	100	662,149	(103,003)	(103,003)	(103,003)	(103,003)	(106,012)	(132,091)	
20600	1,621,523	(61)	1,621,462	-	-	45,776	-	45,776	11,562	2,506,775	-	381	2,518,718	(391,809)	(391,809)	(391,809)	(391,809)	(403,253)	(502,453)	
21100	123,367	(5)	123,362	-	-	3,483	-	3,483	880	190,717	-	31	191,628	(29,809)	(29,809)	(29,809)	(29,809)	(30,680)	(38,229)	
21400	4,710,764	(177)	4,710,587	-	-	132,987	-	132,987	33,590	7,282,553	-	1,108	7,317,251	(1,138,263)	(1,138,263)	(1,138,263)	(1,138,263)	(1,171,510)	(1,459,702)	
21900	26,802	(1)	26,801	-	-	757	-	757	191	41,434	-	5	41,630	(6,476)	(6,476)	(6,476)	(6,476)	(6,665)	(8,304)	
22100	188,438	(7)	188,431	-	-	5,320	-	5,320	1,344	291,314	-	46	292,704	(45,532)	(45,532)	(45,532)	(45,532)	(46,862)	(58,394)	
22200	8,022	(1)	8,021	-	-	226	-	226	57	12,401	-	3	12,459	(1,939)	(1,938)	(1,938)	(1,938)	(1,995)	(2,485)	
30100	52,261,231	(1,968)	52,259,263	-	-	1,475,357	-	1,475,357	372,648	80,792,687	-	12,289	81,177,624	(12,627,895)	(12,627,895)	(12,627,895)	(12,627,895)	(12,996,741)	(16,193,946)	
30200	4,459,661	(168)	4,459,493	-	-	125,898	-	125,898	31,800	6,894,364	-	1,049	6,927,213	(1,077,589)	(1,077,589)	(1,077,589)	(1,077,589)	(1,109,064)	(1,381,895)	
30300	33,910,528	(1,276)	33,909,252	-	-	957,311	-	957,311	241,802	52,423,608	-	7,967	52,673,377	(8,193,810)	(8,193,810)	(8,193,810)	(8,193,810)	(8,433,138)	(10,507,688)	
30400	5,226,538	(197)	5,226,341	-	-	147,548	-	147,548	37,268	8,079,910	-	1,227	8,118,405	(1,262,890)	(1,262,890)	(1,262,890)	(1,262,890)	(1,299,777)	(1,619,520)	
30500	26,455,066	(995)	26,454,071	-	-	746,839	-	746,839	188,640	40,897,918	-	6,217	41,092,775	(6,392,344)	(6,392,344)	(6,392,344)	(6,392,344)	(6,579,054)	(8,197,506)	
30600	2,491,296	(94)	2,491,202	-	-	70,331	-	70,331	17,674	3,851,392	-	584	3,869,740	(601,973)	(601,973)	(601,973)	(601,973)	(619,555)	(771,962)	
30700	215,636	(8)	215,628	-	-	6,088	-	6,088	1,538	333,360	-	52	334,950	(52,104)	(52,104)	(52,104)	(52,104)	(53,626)	(66,820)	
30800	1,541,323	(58)	1,541,265	-	-	43,512	-	43,512	10,991	2,382,791	-	360	2,394,142	(372,430)	(372,430)	(372,430)	(372,430)	(383,308)	(477,602)	
30900	365,961	(14)	365,947	-	-	10,331	-	10,331	2,610	565,753	-	85	568,448	(88,427)	(88,427)	(88,427)	(88,427)	(91,010)	(113,399)	
31100	888,859	(33)	888,826	-	-	25,093	-	25,093	6,338	1,374,121	-	208	1,380,667	(214,775)	(214,775)	(214,775)	(214,775)	(221,048)	(275,426)	
31102	828,074	(31)	828,043	-	-	23,377	-	23,377	5,905	1,280,152	-	194	1,286,251	(200,088)	(200,088)	(200,088)	(200,088)	(205,932)	(256,590)	
31104	1,957,202	(74)	1,957,128	-	-	55,253	-	55,253	13,956	3,040,131	-	459	3,040,131	(472,920)	(472,920)	(472,920)	(472,920)	(486,733)	(606,465)	
31105	448,106	(17)	448,089	-	-	12,650	-	12,650	3,195	692,745	-	107	696,047	(108,276)	(108,276)	(108,276)	(108,276)	(111,439)	(138,854)	
31107	868,438	(33)	868,405	-	-	24,516	-	24,516	6,192	1,342,552	-	203	1,348,947	(209,841)	(209,841)	(209,841)	(209,841)	(215,970)	(269,097)	
31108	4,457,015	(168)	4,456,847	-	-	125,824	-	125,824	31,781	6,890,273	-	1,048	6,923,102	(1,076,950)	(1,076,950)	(1,076,950)	(1,076,950)	(1,108,406)	(1,381,072)	
31113	402,112	(15)	402,097	-	-	11,352	-	11,352	2,867	621,640	-	97	624,604	(97,162)	(97,162)	(97,162)	(97,162)	(100,000)	(124,604)	
31121	1,934,960	(73)	1,934,887	-	-	54,625	-	54,625	13,979	2,991,329	-	454	3,005,580	(467,545)	(467,545)	(467,545)	(467,545)	(481,201)	(599,574)	
31123	4,363,896	(164)	4,363,732	-	-	123,195	-	123,195	31,117	6,778,461	-	1,026	6,778,461	(1,054,449)	(1,054,449)	(1,054,449)	(1,054,449)	(1,085,248)	(1,352,222)	
31124	1,622,611	(61)	1,622,550	-	-	45,807	-	45,807	11,570	2,508,457	-	379	2,520,406	(392,072)	(392,072)	(392,072)	(392,072)	(403,524)	(502,787)	
31126	2,064,476	(78)	2,064,398	-	-	58,281	-	58,281	14,721	3,191,554	-	486	3,206,761	(498,840)	(498,840)	(498,840)	(498,840)	(513,411)	(639,709)	
31138	1,119,095	(42)	1,119,053	-	-	31,593	-	31,593	7,980	1,730,053	-	262	1,738,295	(270,407)	(270,407)	(270,407)	(270,407)	(278,305)	(346,769)	
31140	4,618,041	(174)	4,617,867	-	-	130,370	-	130,370	32,929	7,139,209	-	1,085	7,173,223	(1,115,859)	(1,115,859)	(1,115,859)	(1,115,859)	(1,148,451)	(1,430,966)	
31142	1,780,207	(67)	1,780,140	-	-	50,256	-	50,256	12,694	2,752,092	-	419	2,765,205	(430,152)	(430,152)	(430,152)	(430,152)	(442,716)	(551,625)	
31143	1,297,986	(49)	1,297,937	-	-	36,643	-	36,643	9,255	2,062,608	-	305	2,016,168	(313,633)	(313,633)	(313,633)	(313,633)	(322,794)	(402,199)	
31146	1,754,988	(66)	1,754,922	-	-	49,544	-	49,544	12,514	2,713,105	-	412	2,726,031	(424,058)	(424,058)	(424,058)	(424,058)	(436,444)	(543,811)	

**Allocation of the OPEB Expense and Deferred Outflows and Inflows of Resources Related to OPEB**

Participating Employer	OPEB Expense			Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Plan Years Ending June 30,						
	Proportionate Share of Aggregate Plan OPEB Expense	Deferred Amounts from Changes in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions		Total Employer OPEB Expense	Liability Experience	Assumption Changes	Investment Experience	Outstanding Outflow Balance Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Changes	Investment Experience	Outstanding Inflow Balance Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2018	2019	2020	2021	2022	Thereafter
		(2)	(3)																	
<b>Aggregate</b>	824,421,960	N/A	N/A	-	-	23,273,836	N/A	23,273,836	5,878,607	1,274,506,072	-	N/A	1,280,384,679	(199,174,284)	(199,174,284)	(199,174,284)	(199,174,284)	(204,992,743)	(255,420,964)	
<b>Employer</b>																				
61000	6,362,996	(240)	6,362,756	-	-	179,630	-	179,630	45,372	9,836,804	-	1,496	9,883,672	(1,537,493)	(1,537,493)	(1,537,493)	(1,537,493)	(1,582,401)	(1,971,669)	
61200	165,387	(6)	165,381	-	-	4,669	-	4,669	1,179	255,679	-	37	256,895	(39,962)	(39,962)	(39,962)	(39,962)	(41,130)	(51,248)	
62500	78,774	(3)	78,771	-	-	2,224	-	2,224	562	121,779	-	16	122,357	(19,034)	(19,034)	(19,034)	(19,034)	(19,590)	(24,407)	
62700	268,687	(10)	268,677	-	-	7,585	-	7,585	1,916	415,374	-	64	417,354	(64,923)	(64,923)	(64,923)	(64,923)	(66,819)	(83,258)	
63000	722,326	(27)	722,299	-	-	20,392	-	20,392	5,151	1,116,671	-	168	1,121,990	(174,536)	(174,536)	(174,536)	(174,536)	(179,633)	(223,821)	
63500	496,879	(19)	496,860	-	-	14,027	-	14,027	3,543	768,145	-	117	771,805	(120,061)	(120,061)	(120,061)	(120,061)	(123,568)	(153,966)	
63700	171,208	(7)	171,201	-	-	4,833	-	4,833	1,221	264,677	-	41	265,939	(41,370)	(41,370)	(41,370)	(41,370)	(42,578)	(53,048)	
63800	19,967	(1)	19,966	-	-	564	-	564	142	30,869	-	7	31,018	(4,825)	(4,825)	(4,825)	(4,825)	(4,966)	(6,188)	
64100	59,606	(2)	59,604	-	-	1,683	-	1,683	425	92,147	-	14	92,586	(14,402)	(14,402)	(14,402)	(14,402)	(14,823)	(18,472)	
66600	79,359	(3)	79,356	-	-	2,240	-	2,240	566	122,684	-	20	123,270	(19,176)	(19,176)	(19,176)	(19,176)	(19,736)	(24,590)	
67000	18,195	(1)	18,194	-	-	514	-	514	130	28,128	-	2	28,260	(4,397)	(4,397)	(4,396)	(4,396)	(4,524)	(5,636)	
67100	713,174	(27)	713,147	-	-	20,133	-	20,133	5,085	1,102,524	-	168	1,107,777	(172,325)	(172,325)	(172,325)	(172,325)	(177,558)	(220,986)	
67200	22,342	(1)	22,341	-	-	631	-	631	159	34,539	-	5	34,703	(5,399)	(5,399)	(5,399)	(5,399)	(5,556)	(6,920)	
67300	504,489	(19)	504,470	-	-	14,242	-	14,242	3,597	779,909	-	117	783,623	(121,900)	(121,900)	(121,900)	(121,900)	(125,460)	(156,321)	
67400	464,314	(17)	464,297	-	-	13,108	-	13,108	3,311	717,802	-	109	721,222	(112,192)	(112,192)	(112,192)	(112,192)	(115,469)	(143,877)	
67500	553,336	(21)	553,315	-	-	15,621	-	15,621	3,946	855,423	-	129	859,498	(133,703)	(133,703)	(133,703)	(133,703)	(137,608)	(171,457)	
67600	82,879	(3)	82,876	-	-	2,340	-	2,340	591	128,126	-	18	128,735	(20,026)	(20,026)	(20,026)	(20,026)	(20,611)	(25,680)	
<b>67800</b>	<b>1,463,918</b>	<b>(55)</b>	<b>1,463,863</b>	<b>-</b>	<b>-</b>	<b>41,327</b>	<b>-</b>	<b>41,327</b>	<b>10,439</b>	<b>2,263,128</b>	<b>-</b>	<b>345</b>	<b>2,273,912</b>	<b>(353,727)</b>	<b>(353,727)</b>	<b>(353,727)</b>	<b>(353,727)</b>	<b>(364,059)</b>	<b>(453,618)</b>	
67900	41,856	(1)	41,855	-	-	1,182	-	1,182	298	64,707	-	9	65,014	(10,113)	(10,113)	(10,113)	(10,113)	(10,408)	(12,972)	
68000	56,325	(2)	56,323	-	-	1,590	-	1,590	402	87,074	-	14	87,490	(13,610)	(13,610)	(13,610)	(13,610)	(14,007)	(17,453)	
68100	464,281	(18)	464,263	-	-	13,107	-	13,107	3,311	717,751	-	109	721,171	(112,185)	(112,185)	(112,185)	(112,185)	(115,462)	(143,862)	
68200	3,887,191	(146)	3,887,045	-	-	109,737	-	109,737	27,718	6,009,360	-	914	6,037,992	(939,263)	(939,263)	(939,263)	(939,263)	(966,697)	(1,204,506)	
68300	789,466	(30)	789,436	-	-	22,287	-	22,287	5,629	1,220,467	-	185	1,226,281	(190,759)	(190,759)	(190,759)	(190,759)	(196,331)	(244,627)	
68400	26,909	(1)	26,908	-	-	760	-	760	192	41,600	-	7	41,799	(6,502)	(6,502)	(6,502)	(6,502)	(6,692)	(8,339)	
70709	71,725	(3)	71,722	-	-	2,025	-	2,025	511	110,882	-	16	111,409	(17,331)	(17,331)	(17,331)	(17,331)	(17,837)	(22,223)	
71036	40,570	(2)	40,568	-	-	1,145	-	1,145	289	62,718	-	10	63,017	(9,803)	(9,803)	(9,803)	(9,803)	(10,090)	(12,570)	
72110	120,440	(4)	120,436	-	-	3,400	-	3,400	859	186,193	-	27	187,079	(29,101)	(29,101)	(29,101)	(29,101)	(29,951)	(37,324)	
72114	23,719	(1)	23,718	-	-	670	-	670	169	36,668	-	6	36,843	(5,731)	(5,731)	(5,731)	(5,731)	(5,899)	(7,350)	
72116	84,973	(3)	84,970	-	-	2,399	-	2,399	606	131,363	-	20	131,989	(20,532)	(20,532)	(20,532)	(20,532)	(21,132)	(26,330)	
72210	213,896	(8)	213,888	-	-	6,038	-	6,038	1,525	330,671	-	49	332,245	(51,684)	(51,684)	(51,684)	(51,684)	(53,193)	(66,278)	
72411	8,599	-	8,599	-	-	243	-	243	61	13,293	-	-	13,354	(2,077)	(2,077)	(2,077)	(2,077)	(2,138)	(2,665)	
72507	145,791	(6)	145,785	-	-	4,116	-	4,116	1,040	225,384	-	34	226,458	(35,228)	(35,228)	(35,228)	(35,228)	(36,257)	(45,173)	
74306	121,083	(5)	121,078	-	-	3,418	-	3,418	863	187,187	-	28	188,078	(29,258)	(29,258)	(29,258)	(29,258)	(30,112)	(37,516)	
74310	120,539	(5)	120,534	-	-	3,403	-	3,403	860	186,346	-	28	187,234	(29,126)	(29,126)	(29,126)	(29,126)	(29,977)	(37,350)	
74616	121,891	(5)	121,886	-	-	3,441	-	3,441	869	188,436	-	30	189,335	(29,453)	(29,453)	(29,453)	(29,453)	(30,313)	(37,769)	
75005	67,372	(3)	67,369	-	-	1,902	-	1,902	480	104,153	-	16	104,649	(16,280)	(16,280)	(16,280)	(16,280)	(16,755)	(20,872)	
75011	156,772	(6)	156,766	-	-	4,426	-	4,426	1,118	242,360	-	36	243,514	(37,881)	(37,881)	(37,881)	(37,881)	(38,987)	(48,577)	
80101	1,756,835	(66)	1,756,769	-	-	49,596	-	49,596	12,527	2,715,960	-	415	2,728,902	(424,504)	(424,504)	(424,504)	(424,504)	(436,903)	(544,387)	
80103	92,649	(3)	92,646	-	-	2,616	-	2,616	661	143,229	-	21	143,911	(22,386)	(22,386)	(22,386)	(22,386)	(23,040)	(28,519)	
80201	12,447,560	(469)	12,447,091	-	-	351,401	-	351,401	88,758	19,243,168	-	2,926	19,334,852	(3,007,708)	(3,007,708)	(3,007,708)	(3,007,708)	(3,095,558)	(3,857,061)	
80202	170,952	(6)	170,946	-	-	4,826	-	4,826	1,219	264,282	-	40	265,541	(41,307)	(41,307)	(41,307)	(41,307)	(42,513)	(52,974)	
80302	848,355	(32)	848,323	-	-	23,949	-	23,949	6,049	1,311,505	-	201	1,317,755	(204,988)	(204,988)	(204,988)	(204,988)	(210,976)	(262,878)	
80401	4,499,876	(169)	4,499,707	-	-	127,034	-	127,034	32,087	6,956,535	-	1,057	6,989,679	(1,087,306)	(1,087,306)	(1,087,306)	(1,087,306)	(1,119,064)	(1,394,357)	
80402	1,796,811	(68)	1,796,743	-	-	50,725	-	50,725	12,812	2,777,760	-	423	2,790,995	(434,164)	(434,164)	(434,164)	(434,164)	(446,846)	(556,768)	
80403	1,413,521	(53)	1,413,468	-	-	39,904	-	39,904	10,079	2,185,217	-	334	2,195,630	(341,549)	(341,549)	(341,549)	(341,549)	(351,525)	(438,005)	
80404	1,769,152	(67)	1,769,085	-	-	49,944	-	49,944	12,615	2,735,001	-	415	2,748,031	(427,481)	(427,481)	(427,481)	(427,481)	(439,967)	(548,196)	
80405	6,955,302	(261)	6,955,041	-	-	196,352	-	196,352	49,595	10,752,472	-	1,633	10,803,700	(1,680,611)	(1,680,611)	(1,680,611)	(1,680,611)	(1,729,699)	(2,155,205)	
80406	60,265	(2)	60,263	-	-	1,701	-	1,701	430	93,166	-	16	93,612	(14,562)	(14,562)	(14,562)	(14,562)	(14,987)	(18,676)	
80407	254,095	(10)	254,085	-	-	7,173	-	7,173	1,812	392,816	-	61	394,689	(61,398)	(61,398)	(61,398)	(61,398)	(63,191)	(78,733)	
80409	111,586	(4)	111,582	-	-	3,150	-	3,150	796	172,504	-	28	173,328	(26,962)	(26,962)	(26,962)	(26,962)	(27,750)	(34,580)	
80502	429,928	(16)	429,912	-	-	12,137	-	12,137	3,066	664,642	-	100	667,808	(103,883)	(103,883)	(103,883)	(103,883)	(106,918)	(133,221)	
80503	908,843	(34)	908,809	-	-	25,657	-	25,657	6,481	1,405,015	-	214								

**Allocation of the OPEB Expense and Deferred Outflows and Inflows of Resources Related to OPEB**

Participating Employer	OPEB Expense			Outstanding Balance of Deferred Outflows of Resources						Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Plan Years Ending June 30,					
	Proportionate Share of Aggregate Plan OPEB Expense	Deferred Amounts from Changes in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions		Total Employer OPEB Expense	Liability Experience	Assumption Changes	Investment Experience	Outstanding Outflow Balance Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Changes	Investment Experience	Outstanding Inflow Balance Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2018	2019	2020	2021	2022	Thereafter
		(2)	(3)																	
<b>Aggregate</b>	824,421,960	N/A	N/A	-	-	23,273,836	N/A	23,273,836	5,878,607	1,274,506,072	-	N/A	1,280,384,679	(199,174,284)	(199,174,284)	(199,174,284)	(199,174,284)	(204,992,743)	(255,420,964)	
<b>Employer</b>																				
82401	530,821	(20)	530,801	-	-	14,985	-	14,985	3,785	820,616	-	124	824,525	(128,262)	(128,262)	(128,262)	(128,262)	(132,009)	(164,483)	
82402	4,908,476	(185)	4,908,291	-	-	138,569	-	138,569	35,000	7,588,205	-	1,153	7,624,358	(1,186,037)	(1,186,037)	(1,186,037)	(1,186,037)	(1,220,679)	(1,520,962)	
82406	824,397	(31)	824,366	-	-	23,273	-	23,273	5,878	1,274,468	-	193	1,280,539	(199,199)	(199,199)	(199,199)	(199,199)	(205,018)	(255,452)	
82501	483,721	(18)	483,703	-	-	13,656	-	13,656	3,449	747,804	-	112	751,365	(116,882)	(116,882)	(116,882)	(116,882)	(120,295)	(149,886)	
82502	1,309,421	(49)	1,309,372	-	-	36,966	-	36,966	9,337	2,024,285	-	306	2,033,928	(316,396)	(316,396)	(316,396)	(316,396)	(325,637)	(405,741)	
82601	25,941,871	(976)	25,940,895	-	-	732,352	-	732,352	184,981	40,104,551	-	6,096	40,295,628	(6,268,341)	(6,268,341)	(6,268,341)	(6,268,341)	(6,451,429)	(8,038,483)	
82602	77,957	(3)	77,954	-	-	2,201	-	2,201	556	120,517	-	18	121,091	(18,837)	(18,837)	(18,837)	(18,837)	(19,387)	(24,155)	
82603	117,727	(5)	117,722	-	-	3,324	-	3,324	839	181,999	-	28	182,866	(28,447)	(28,447)	(28,447)	(28,447)	(29,278)	(36,476)	
82604	79,474	(3)	79,471	-	-	2,244	-	2,244	567	122,862	-	17	123,446	(19,203)	(19,203)	(19,203)	(19,203)	(19,764)	(24,626)	
82701	1,608,802	(61)	1,608,741	-	-	45,417	-	45,417	11,472	2,487,109	-	378	2,498,959	(388,736)	(388,736)	(388,736)	(388,736)	(400,090)	(498,508)	
82702	355,994	(13)	355,981	-	-	10,050	-	10,050	2,538	550,344	-	83	552,965	(86,018)	(86,018)	(86,018)	(86,018)	(88,531)	(110,312)	
82801	5,614,223	(211)	5,614,012	-	-	158,492	-	158,492	40,033	8,679,246	-	1,321	8,720,600	(1,356,566)	(1,356,566)	(1,356,566)	(1,356,566)	(1,396,189)	(1,739,655)	
82901	6,836,024	(257)	6,835,767	-	-	192,984	-	192,984	48,745	10,568,077	-	1,606	10,618,428	(1,651,790)	(1,651,790)	(1,651,790)	(1,651,790)	(1,700,036)	(2,118,248)	
83001	3,170,933	(119)	3,170,814	-	-	89,517	-	89,517	22,611	4,902,069	-	743	4,925,423	(766,193)	(766,193)	(766,193)	(766,193)	(788,572)	(982,562)	
83005	1,692,728	(63)	1,692,665	-	-	47,787	-	47,787	12,070	2,616,854	-	397	2,629,321	(409,014)	(409,014)	(409,014)	(409,014)	(420,960)	(524,518)	
83101	1,217,102	(46)	1,217,056	-	-	34,359	-	34,359	8,679	1,890,566	-	287	1,899,532	(294,089)	(294,089)	(294,089)	(294,089)	(302,679)	(377,138)	
83202	5,120,979	(193)	5,120,786	-	-	144,568	-	144,568	36,516	7,916,722	-	1,202	7,954,440	(1,237,384)	(1,237,384)	(1,237,384)	(1,237,384)	(1,273,526)	(1,586,810)	
83203	1,390,454	(53)	1,390,401	-	-	39,253	-	39,253	9,915	2,159,556	-	328	2,159,799	(335,976)	(335,976)	(335,976)	(335,976)	(345,790)	(430,852)	
83204	1,787,734	(67)	1,787,667	-	-	50,469	-	50,469	12,748	2,763,728	-	420	2,776,896	(431,970)	(431,970)	(431,970)	(431,970)	(444,588)	(553,959)	
83205	11,658,662	(438)	11,658,224	-	-	329,130	-	329,130	83,133	18,023,581	-	2,738	18,109,452	(2,817,085)	(2,817,085)	(2,817,085)	(2,817,085)	(2,899,367)	(3,612,615)	
83206	16,132,495	(607)	16,131,888	-	-	455,428	-	455,428	115,034	24,939,853	-	3,791	25,058,678	(3,898,099)	(3,898,099)	(3,898,099)	(3,898,099)	(4,011,956)	(4,998,898)	
83207	64,058	(3)	64,055	-	-	1,808	-	1,808	457	99,029	-	17	99,503	(15,479)	(15,479)	(15,479)	(15,479)	(15,931)	(19,848)	
83301	2,416,438	(91)	2,416,347	-	-	68,217	-	68,217	17,231	3,735,667	-	566	3,753,464	(583,885)	(583,885)	(583,885)	(583,885)	(600,939)	(748,768)	
83402	2,261,422	(85)	2,261,337	-	-	63,841	-	63,841	16,125	3,496,021	-	532	3,512,678	(546,428)	(546,428)	(546,428)	(546,428)	(562,388)	(700,737)	
83501	580,574	(22)	580,552	-	-	16,390	-	16,390	4,140	897,533	-	134	901,807	(140,285)	(140,285)	(140,285)	(140,285)	(144,382)	(179,895)	
83601	3,577,744	(134)	3,577,610	-	-	101,001	-	101,001	25,511	5,530,974	-	839	5,557,324	(864,491)	(864,491)	(864,491)	(864,491)	(889,741)	(1,108,618)	
83701	6,594,362	(248)	6,594,114	-	-	186,162	-	186,162	47,022	10,194,481	-	1,549	10,243,052	(1,593,397)	(1,593,397)	(1,593,397)	(1,593,397)	(1,639,938)	(2,043,364)	
83802	4,350,038	(164)	4,349,874	-	-	122,804	-	122,804	31,018	6,724,893	-	1,023	6,756,934	(1,051,101)	(1,051,101)	(1,051,101)	(1,051,101)	(1,081,802)	(1,347,924)	
83805	1,813,234	(68)	1,813,166	-	-	51,188	-	51,188	12,929	2,803,149	-	428	2,816,506	(438,132)	(438,132)	(438,132)	(438,132)	(450,929)	(561,861)	
83806	2,037,732	(76)	2,037,656	-	-	57,526	-	57,526	14,530	3,150,209	-	478	3,165,217	(492,377)	(492,377)	(492,377)	(492,377)	(506,759)	(631,424)	
83810	129,904	(5)	129,899	-	-	3,667	-	3,667	926	200,824	-	32	201,782	(31,389)	(31,389)	(31,389)	(31,389)	(32,306)	(40,253)	
83811	206,617	(8)	206,609	-	-	5,833	-	5,833	1,473	319,417	-	47	320,937	(49,925)	(49,925)	(49,925)	(49,925)	(51,383)	(64,021)	
83901	7,957,560	(300)	7,957,260	-	-	224,646	-	224,646	56,742	12,301,902	-	1,871	12,360,515	(1,922,788)	(1,922,788)	(1,922,788)	(1,922,788)	(1,978,949)	(2,465,768)	
84002	19,341,566	(728)	19,340,838	-	-	546,022	-	546,022	137,917	29,900,881	-	4,547	30,043,345	(4,673,508)	(4,673,508)	(4,673,508)	(4,673,508)	(4,810,014)	(5,993,277)	
84003	17,729,186	(667)	17,728,519	-	-	500,504	-	500,504	126,419	27,408,240	-	4,167	27,538,826	(4,283,908)	(4,283,908)	(4,283,908)	(4,283,908)	(4,409,034)	(5,493,656)	
84004	81,445	(3)	81,442	-	-	2,299	-	2,299	581	125,908	-	22	126,511	(19,679)	(19,679)	(19,679)	(19,679)	(20,254)	(25,242)	
84005	143,103	(5)	143,098	-	-	4,040	-	4,040	1,020	221,229	-	32	222,281	(34,578)	(34,578)	(34,578)	(34,578)	(35,588)	(44,341)	
84006	674,221	(26)	674,195	-	-	19,034	-	19,034	4,808	1,042,304	-	159	1,047,271	(162,913)	(162,913)	(162,913)	(162,913)	(167,671)	(208,914)	
84008	53,282	(2)	53,280	-	-	1,504	-	1,504	380	82,371	-	14	82,765	(12,875)	(12,875)	(12,875)	(12,875)	(13,251)	(16,510)	
84009	138,915	(5)	138,910	-	-	3,922	-	3,922	991	214,754	-	34	215,779	(33,566)	(33,566)	(33,566)	(33,566)	(34,546)	(43,047)	
84010	33,843	(1)	33,842	-	-	955	-	955	241	52,318	-	7	52,566	(8,177)	(8,177)	(8,177)	(8,177)	(8,416)	(10,487)	
84011	76,086	(3)	76,083	-	-	2,148	-	2,148	543	117,624	-	18	118,185	(18,385)	(18,385)	(18,385)	(18,385)	(18,922)	(23,575)	
84012	61,881	(2)	61,879	-	-	1,747	-	1,747	441	95,664	-	16	96,121	(14,952)	(14,952)	(14,952)	(14,952)	(15,389)	(19,177)	
84101	1,299,231	(49)	1,299,182	-	-	36,678	-	36,678	9,264	2,008,532	-	307	2,018,103	(313,934)	(313,934)	(313,934)	(313,934)	(323,103)	(402,586)	
84203	5,636,812	(212)	5,636,600	-	-	159,130	-	159,130	40,194	8,714,168	-	1,326	8,755,688	(1,362,024)	(1,362,024)	(1,362,024)	(1,362,024)	(1,401,807)	(1,746,655)	
84207	6,466,791	(244)	6,466,547	-	-	182,561	-	182,561	46,112	9,997,264	-	1,521	10,044,897	(1,562,573)	(1,562,573)	(1,562,573)	(1,562,573)	(1,608,213)	(2,003,831)	
84208	1,465,781	(55)	1,465,726	-	-	41,380	-	41,380	10,452	2,266,008	-	344	2,276,804	(354,177)	(354,177)	(354,177)	(354,177)	(364,522)	(454,194)	
84209	4,733,237	(178)	4,733,059	-	-	133,622	-	133,622	33,751	7,317,296	-	1,114	7,352,161	(1,143,693)	(1,143,693)	(1,143,693)	(1,143,693)	(1,177,099)	(1,466,668)	
84210	2,023,008	(76)	2,022,932	-	-	57,111	-	57,111	14,425	3,127,447	-	477	3,142,349	(488,820)	(488,820)	(488,820)	(488,820)	(503,09		